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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/755,702	01/12/2004	Michael Krebs	H 5344	3428
423	7590	04/05/2006	EXAMINER	
HENKEL CORPORATION THE TRIAD, SUITE 200 2200 RENAISSANCE BLVD. GULPH MILLS, PA 19406			NILAND, PATRICK DENNIS	
			ART UNIT	PAPER NUMBER
			1714	

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/755,702	Applicant(s) KREBS, MICHAEL	
	Examiner Patrick D. Niland	Art Unit 1714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-27 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-27 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 1/04.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

1. Claims 1-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - A. Claims 1, 14, and 23 recite molecular weights of species which may be polymeric without stating what type of molecular weight is being claimed, e.g. weight average, number average, etc. It is therefore unclear what type of polymeric molecular weight is intended and a polydispersity of exactly one is not enabled in the instant specification.
 - B. The instant claims 25-27 are directed to polyurethanes or compositions per se. These claims depend from claim 1 which is a method per se. It is unclear how these claims further limit claim 1.
 - C. Claim 12 may give a polyurethane diisocyanate where all difunctional components are used. This polyurethane diisocyanate will be asymmetrical. It is therefore unclear whether such polyurethane diisocyanates are intended to be excluded or only unreacted MDI by the language of this claim.
 - D. It is unclear if the additional step of claims 19-20 and 23-24 are required to maintain the NCO:OH ratio of claim 1 or if these additional steps are reacting polyol in excess of that encompassed by the claimed NCO:OH ratio.
2. Claims 25-27 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The instant claims 25-27 are directed to polyurethanes or

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compositions per se. These claims depend from claim 1 which is a method per se. It is unclear how these claims further limit claim 1.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by WO 00/05290 Bolte et al., translation supplied by applicant referenced.

Bolte discloses a polyurethane prepolymer made by the instantly claimed processes at page 5, lines 3-7 which falls within the scope of the instant claims 3 and 12 by one interpretation of claim 12; page 6, lines 10-30; page 7, lines 5-9 which is expected to give the parameter of the instant claim 2 inherently based on the definition of viscosity average molecular weight and the fact that the other requirements of claim 2 are met and lines 10-30; page 8, lines 1-30, particularly 21-25; page 9, lines 13-15; page 10, lines 9-30; page 11, lines 1-30; page 12, lines 1-30; page 13, lines 1-30; and page 14, lines 1-19 which encompasses the diols of the instant claims 1, 4, 10, 14, 15-17, 19-20, and 23-24 (note that the mixtures encompass the “additional” polyols of claims 19-20 and 23-24) and lines 20-30; page 15, line 7, which discloses the instantly claimed diisocyanate with sufficient specificity so as to anticipate its use; page 19, lines 22-27;

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page 20, lines 12-15 which falls within the scope of the NCO:OH ratios of the instant claims 1, 8, and 18, lines 17-30 which falls within the scope of the instant claim 11; page 21, lines 1-30 particularly 7-26 which falls within the scope of the instant claims 5-7, 9, and 21; page 25, lines 4-30; page 26, lines 1-12 and 21-26, which falls within the scope of the instant claim 26. The above discussed parameters are the same as claim 1 and therefore must give the limitation of claim 13 inherently. The claims do not exclude additional components of the reference.

6. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 00/05290 Bolte et al., translation supplied by applicant referenced in view of US Pat. No. 5721311 Oien.

Bolte discloses a polyurethane prepolymer made by the instantly claimed processes at page 5, lines 3-7 which falls within the scope of the instant claims 3 and 12 by one interpretation of claim 12; page 6, lines 10-30; page 7, lines 5-9 which is expected to give the parameter of the instant claim 2 inherently based on the definition of viscosity average molecular weight and the fact that the other requirements of claim 2 are met and lines 10-30; page 8, lines 1-30, particularly 21-25; page 9, lines 13-15; page 10, lines 9-30; page 11, lines 1-30; page 12, lines 1-30; page 13, lines 1-30; and page 14, lines 1-19 which encompasses the diols of the instant claims 1, 4, 10, 14, 15-17, 19-20, and 23-24 (note that the mixtures encompass the "additional" polyols of claims 19-20 and 23-24) and lines 20-30; page 15, line 7, which discloses the instantly claimed diisocyanate with sufficient specificity so as to anticipate its use; page 19, lines 22-27; page 20, lines 12-15 which falls within the scope of the NCO:OH ratios of the instant claims 1, 8, and 18, lines 17-30 which falls within the scope of the instant claim 11; page 21, lines 1-30 particularly 7-26 which falls within the scope of the instant claims 5-7, 9, and 21; page 25, lines

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4-30; page 26, lines 1-12 and 21-26, which falls within the scope of the instant claim 26. The above discussed parameters are the same as claim 1 and therefore must give the limitation of claim 13 inherently. The claims do not exclude additional components of the reference.

It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use the instantly claimed methods and ingredient combinations to make the prepolymer and compositions of the instant claims because they are encompassed by the reference and would have been expected to give the properties disclosed by Bolte.

It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use the instantly claimed aliphatic tertiary amine in the composition of Bolte because Bolte states that their compositions are useful as moisture curing compositions at page 26, lines 21-26 and the instantly claimed amines are well known for catalyzing/accelerating this moisture curing as taught by Oien, column 7, lines 28-32 and column 10, lines 36-54 and this catalyzation/acceleration of the moisture cure would have been expected in Bolte.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick D. Niland whose telephone number is 571-272-1121. The examiner can normally be reached on Monday to Thursday from 10 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan, can be reached on 571-272-1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

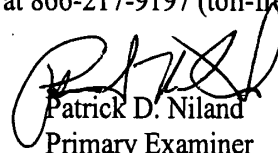
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Patrick D. Niland
Primary Examiner
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